

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	((micro adj mirror adj array or MMA)and reflective adj device and(encod\$4 or encode)and optically adj variable and angle and secondary adj pattern and primary and registration and latent adj image\$1).CLM.	US-PGPUB	OR	ON	2009/01/16 16:11
S1	18027	(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:37
S2	40	S1 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:37
S3	2	S2 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:38
S4	3	S2 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:42
S5	84	((("20070110317") or ("20070109643") or ("5298747") or ("6219074") or ("4346401") or ("5525192") or ("4386145") or ("5381187") or ("5978105") or ("5991083") or ("6172363") or ("6329826") or ("6369949") or ("6559663") or ("6950608") or ("6995370") or ("7026830") or ("7081928") or ("7375329") or ("7417444") or ("20020027440") or ("20020171778") or ("20030169060") or ("20050135798") or ("20050145791") or ("20050275709") or ("20060043982") or ("20060108527") or ("20070246547") or ("20080164499") or ("20080302964") or ("6268893") or ("6369919") or ("6608911") or ("6782115") or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/11 12:43

		("6882737") or ("20020080992") or ("20020080994") or ("20030128862") or ("20030210805") or ("20050063027") or ("20060039581") or ("20070128748") or ("20070258621") or ("20080218817") or ("5986381") or ("6225020") or ("6225020") or ("4370937") or ("4970928") or ("").pn.)).FN.				
S6	3	S6 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:44
S7	2	S6 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:44
S8	2	S7 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:44
S9	143	((TIMOTHY) near2 (DAVIS)). INV.	US-PGPUB; USPAT	OR	ON	2009/01/11 12:51
S10	2023	((ROBERT) near2 (LEE)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/11 12:52
S11	22	((LAWRENCE) near2 (MCCARTHY)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/11 12:52
S12	22	((LAWRENCE) near2 (MCCARTHY)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/11 12:53
S13	7	((GERHARD) near2 (SWIEGERS)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/11 12:53
S14	9	((GERARD) near2 (WILSON)). INV.	US-PGPUB; USPAT	OR	ON	2009/01/11 12:54
S15	1	S9 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:55
S16	1	S15 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:55

S17	1	S16 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:55
S18	1	S17 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:55
S19	6	S10 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:56
S20	1	S19 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:56
S21	1	S20 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:57
S22	1	S21 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:57
S23	1	S11 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:57
S24	1	S23 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:57
S25	1	S24 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:57
S26	1	S25 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:58
S27	1	S11 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:58

S28	1	S27 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:59
S29	1	S28 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:59
S30	1	S29 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 12:59
S31	1	S12 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:00
S32	1	S31 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:00
S33	1	S32 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:00
S34	1	S33 and(encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:01
S35	3432	382/100,232.ccls.	USPAT	OR	ON	2009/01/11 13:02
S36	3635	324/751,765.ccls.	USPAT	OR	ON	2009/01/11 13:02
S37	4028	250/310,307,311,306.ccls.	USPAT	OR	ON	2009/01/11 13:03
S38	2355	348/760,E9.027,781.ccls.	USPAT	OR	ON	2009/01/11 13:03
S39	157	396/335.ccls.	USPAT	OR	ON	2009/01/11 13:03
S40	254	359/2.ccls.	USPAT	OR	ON	2009/01/11 13:04
S41	5624	430/270.1,315,329.ccls.	USPAT	OR	ON	2009/01/11 13:04
S42	424	358/527.ccls.	USPAT	OR	ON	2009/01/11 13:05
S43	2271	526/262,264,281.ccls.	USPAT	OR	ON	2009/01/11 13:05

S44	1	S35 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:07
S45	0	S18 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:16
S46	0	S15 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:18
S47	5	S19 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:20
S48	0	S23 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:20
S49	0	S31 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:21
S50	3	S19 and @ad<"20030707"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:21
S51	3	S50 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:22
S52	0	S51 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:22
S53	0	S51 and(generates or obtaining) same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:22
S54	0	S51 and(encode\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 13:23

S55	0	S51 and(encod\$4 or encode) and latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; JBM_TDB	OR	ON	2009/01/11 13:23
S56	1	S35 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 13:28
S57	0	S56 and reflective adj device	USPAT	OR	ON	2009/01/11 13:28
S58	0	S56 and(generates or obtaining) same optically adj variable	USPAT	OR	ON	2009/01/11 13:29
S59	0	S56 and(generates or obtaining) and optically adj variable	USPAT	OR	ON	2009/01/11 13:29
S60	0	S56 and(encod\$4 or encode) same latent adj image\$1	USPAT	OR	ON	2009/01/11 13:29
S61	0	S56 and(encod\$4 or encode) and latent adj image\$1	USPAT	OR	ON	2009/01/11 13:30
S62	0	S36 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 13:30
S63	0	S36 and reflective adj device	USPAT	OR	ON	2009/01/11 13:30
S64	1	S37 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 13:31
S65	0	S64 and reflective adj device	USPAT	OR	ON	2009/01/11 13:31
S66	0	S64 and(generates or obtaining) same optically adj variable	USPAT	OR	ON	2009/01/11 13:31
S67	0	S64 and(generates or obtaining) and optically adj variable	USPAT	OR	ON	2009/01/11 13:31
S68	18	S38 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 13:32
S69	2	S68 and reflective adj device	USPAT	OR	ON	2009/01/11 13:32
S70	0	S69 and(generates or obtaining) and optically adj variable	USPAT	OR	ON	2009/01/11 13:33
S71	0	S69 and(encod\$4 or encode) and latent adj image\$1	USPAT	OR	ON	2009/01/11 13:33
S72	1	S69 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	USPAT	OR	ON	2009/01/11 13:38
S73	0	S39 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 13:40
S74	0	S72 and(generates or obtaining) and optically adj variable	USPAT	OR	ON	2009/01/11 13:40
S75	0	S74 and reflective adj device	USPAT	OR	ON	2009/01/11 13:40
S76	0	S72 and(encod\$4 or encode) and latent adj image\$1	USPAT	OR	ON	2009/01/11 13:41

S77	7	S40 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 13:41
S78	1	S77 and(generates or obtaining) and optically adj variable	USPAT	OR	ON	2009/01/11 13:43
S79	0	S78 and reflective adj device	USPAT	OR	ON	2009/01/11 13:43
S80	0	S78 and(encode\$4 or encode) and latent adj image\$1	USPAT	OR	ON	2009/01/11 13:43
S81	0	S78 and(encode\$4 or encode)	USPAT	OR	ON	2009/01/11 13:47
S82	1	S78 and pattern	USPAT	OR	ON	2009/01/11 13:47
S83	0	S78 and primary adj pattern	USPAT	OR	ON	2009/01/11 13:47
S84	0	S78 and secondary adj pattern	USPAT	OR	ON	2009/01/11 13:48
S85	0	S82 and latent adj image\$1	USPAT	OR	ON	2009/01/11 13:49
S86	1	S82 and angle	USPAT	OR	ON	2009/01/11 13:49
S87	1	S86 and image\$1	USPAT	OR	ON	2009/01/11 13:50
S88	0	S87 and(registrat\$3 or alignment)and pattern	USPAT	OR	ON	2009/01/11 13:51
S89	0	S87 and(registrat\$3 or alignm \$3)and pattern	USPAT	OR	ON	2009/01/11 13:51
S90	1	S87 and light adj source	USPAT	OR	ON	2009/01/11 13:52
S91	0	S90 and photomask	USPAT	OR	ON	2009/01/11 13:53
S92	1	S90 and lithography	USPAT	OR	ON	2009/01/11 13:54
S93	1	S92 and (wet or dry) and etching	USPAT	OR	ON	2009/01/11 13:55
S94	0	S93 and optical adj contact	USPAT	OR	ON	2009/01/11 14:00
S95	0	S94 and project\$3 adj system	USPAT	OR	ON	2009/01/11 14:00
S96	0	S93 and embossing adj die	USPAT	OR	ON	2009/01/11 14:02
S97	1	S93 and electroplating	USPAT	OR	ON	2009/01/11 14:03
S98	1	S97 and(micro adj mirror adj array or MMA)	USPAT	OR	ON	2009/01/11 14:03
S99	1	S98 and pixellated	USPAT	OR	ON	2009/01/11 14:04
S100	1	S99 and diffract\$3	USPAT	OR	ON	2009/01/11 14:04

S101	1	S100 and grating	USPAT	OR	ON	2009/01/11 14:05
S102	0	S101 and(track-line or track adj line)	USPAT	OR	ON	2009/01/11 14:06
S103	0	S101 and regular adj array	USPAT	OR	ON	2009/01/11 14:06
S104	0	S101 and rectangular adj array	USPAT	OR	ON	2009/01/11 14:07
S105	0	S101 and rectangular adj array	USPAT	OR	ON	2009/01/11 14:07
S106	0	S101 and horizontal	USPAT	OR	ON	2009/01/11 14:07
S107	0	S101 and vertical	USPAT	OR	ON	2009/01/11 14:07
S108	0	S101 and sam	USPAT	OR	ON	2009/01/11 14:11
S109	0	S101 and phasegram	USPAT	OR	ON	2009/01/11 14:12
S110	0	S101 and tonagram	USPAT	OR	ON	2009/01/11 14:12
S111	0	S101 and binagram	USPAT	OR	ON	2009/01/11 14:12
S112	25	S2 and(@ad<"20030707" or @rlad<"20030707" or @prad<"20030707" or @ptad<"20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:13
S113	16	S2 and @ad<"20030707"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:13
S114	0	S113 and (encod\$4 or encode) same latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:14
S115	0	S113 and (encod\$4 or encode) and latent adj image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:14
S116	4	S113 and (encod\$4 or encode) and image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:14
S117	0	S116 and(generates or obtaining)and optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:16



S118	0	S116 and photomask	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:18
S119	0	S116 and lithography	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:19
S120	0	S116 and(generates or obtaining)same optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:19
S121	0	S116 and(generates or obtaining)and optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:19
S122	0	S116 and(registrat\$3 or alignm \$3)and pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:20
S123	0	S116 and photomask	USPAT	OR	ON	2009/01/11 14:21
S124	0	S116 and lithography	USPAT	OR	ON	2009/01/11 14:21
S125	0	S116 and (wet or dry) and etching	USPAT	OR	ON	2009/01/11 14:22
S126	0	S116 and optical adj contact	USPAT	OR	ON	2009/01/11 14:22
S127	1	S116 and project\$3 adj system	USPAT	OR	ON	2009/01/11 14:23
S128	0	S127 and embossing adj die	USPAT	OR	ON	2009/01/11 14:23
S129	0	S127 and electroplating	USPAT	OR	ON	2009/01/11 14:24
S130	0	S127 and pixellated	USPAT	OR	ON	2009/01/11 14:24
S131	1	S127 and diffract\$3	USPAT	OR	ON	2009/01/11 14:25
S132	0	S127 and grating	USPAT	OR	ON	2009/01/11 14:26
S133	0	S101 and(track-line or track adj line)	USPAT	OR	ON	2009/01/11 14:26
S134	0	S111 and regular adj array	USPAT	OR	ON	2009/01/11 14:27
S135	0	S131 and grating	USPAT	OR	ON	2009/01/11 14:27

S136	0	S131 and rectangular adj array	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 14:29
S137	0	((micro adj mirror adj array or MMA)and reflective adj device and(encode\$4 or encode)and latent adj image\$1 and(registrat \$3 or align\$4)adj pattern and reflection and observation adj angle and light adj source). CLM.	US-PGPUB	OR	ON	2009/01/11 14:41
S138	0	((micro adj mirror adj array or MMA)and reflective adj device and(encode\$4 or encode)and latent adj image\$1 and(registrat \$3 or align\$4)adj pattern and primary adj pattern and secondary adj pattern and reflection and observation adj angle and light adj source). CLM.	US-PGPUB	OR	ON	2009/01/11 14:43
S139	1	((micro adj mirror adj array or MMA)and reflective adj device and(encode\$4 or encode)and latent adj image\$1). CLM.	US-PGPUB	OR	ON	2009/01/11 14:43
S140	129	((("6373965") or ("2005123134") or ("6859534") or ("2005053234") or ("2005052017") or ("2004264737") or ("2003012374") or ("5735547") or ("2003030271") or ("5788285") or ("5722693") or ("5454598") or ("5271645") or ("20050184504") or ("5035929") or ("5428479") or ("4143967") or ("4632430") or ("4684593") or ("4668597") or ("6104812") or ("4586711") or ("6252971") or ("20040036272") or ("5374976") or ("5396559") or ("5999280") or ("6249588") or ("6494491") or ("5536045") or ("5772249") or ("5301981") or ("6324009") or ("6000332") or ("5178418") or ("4897802") or ("6286873") or ("6088161") or ("5825547") or ("6414757") or ("5437897") or ("6542629") or ("20020106102") or ("20020102007") or ("6198545") or ("6014500") or ("5734752") or ("5784200") or ("5403040") or	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/11 15:04

		("20020041712") or ("5708717") or ("4914700") or ("20040188528") or ("20030228014") or ("2004001611") or ("2002136429") or ("5790703).pn.")).PN.				
S141	0	S140 and(micro adj mirror adj array or MMA)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:05
S142	0	S140 and reflective adj device	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:05
S143	117	S140 and(@ad< "20030707" or @riad< "20030707" or @prad< "20030707" or @ptad< "20030707")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:06
S144	0	S143 and(encode\$4 or encode) and latent adj image\$1 and (registrat\$3 or align\$4)adj pattern and reflection and observation adj angle and light adj source	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:08
S145	30	S143 and(encode\$4 or encode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:08
S146	10	S145 and(registrat\$3 or alignm \$3)and pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:09
S147	0	S146 and(generates or obtaining)and optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:09
S148	0	S146 and(generat\$4 or obtaining)and optically adj variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:10
S149	9	S146 and @ad< "20030707"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:10

S150	4	S116 and @ad<"20030707"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/11 15:19
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1/16/09 4:11:30 PM

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